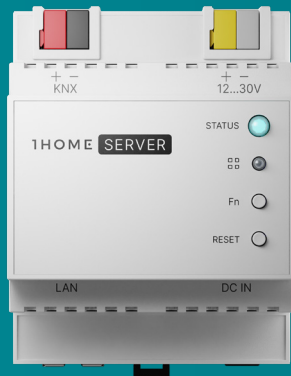


# 1Home Server KNX Bridge Datasheet



1Home Server is the modern brain of a smart home system.

## Visualization

Server enables a fully local integration with Apple Home, Google Home, Samsung SmartThings, Home Assistant and other smart home apps and voice control interfaces via the industry standard protocol Matter.

## Local first

1Home Server is configured completely locally via an embedded web interface. The device runs local first and will run uninterrupted even if the internet connection is lost.

## Remote access\*

For a remote configuration, the 1Home Server can be paired with 1Home Remote Dashboard ([remote.1home.io](https://remote.1home.io)) where the customer or the integrator can access the device remotely.

## Automatic ETS device detection\*

Automatic ETS device detection saves time importing your KNX configuration, without the need to type hundreds of group addresses and devices by hand.

## Automatic issue detection

Detects configuration issues and saves you time troubleshooting.

**Upgrade your 1Home Server KNX Bridge functionality with powerful Apps.**

*Apps sold separately.*

\*This feature requires an active internet connection

# Installation instructions

To get started or learn more about the device, visit 1Home Server documentation.

Documentation: <https://www.1home.io/docs>

## Technical specifications

### Hardware

- Processor: Broadcom BCM2711 quad-core Cortex-A72 (ARM v8) 64-bit, up to 1.5 GHz
- Memory: 1 GB LPDDR4
- Storage: on-board 8 GB eMMC (4 GB usable for user storage)

### Mechanical data

- Housing
  - Material: Plastic (PPO)
  - UL94 class: V0
- Mounting: DIN (EN 60715) rail, width: 4M (72 mm)
- Weight: approx. 150 g

### Power supply

- External power supply: 12...30 VDC / alternative; DC barrel power supply (12 VDC, 1 A)
- Power consumption
  - Typical: 2-3 W @30 VDC
  - Max: 5 W @30 VDC

### Controls and indicators

- RGB multi-color status LED
- Multifunctional mono-color red LED
- Multifunctional button
- Reset button

### KNX

- Medium: Twisted Pair (KNX TP1-256)
- Interface protocol: cEML

### Environmental requirements

- Ambient temp. operating: -5...+45°C
- Rel. humidity (non-condensing): 5...93%

### Network Connectivity

- Gigabit Ethernet LAN (1 Gbit/s)
- IEEE 802.3: 1000BASE-T, 100BASE-TX, 10BASE-T
- IPv4 & IPv6 support
- Supported network protocols ARP, ICMP, ICMPv6, IGMP, UDP/IP, TCP/IP, DHCP, NTP, mDNS, DNS-SD, HTTP
- Up to 4 KNXnet/IP Tunneling connections simultaneously

### Connectors

- KNX TP Bus connector (Red / Black)
- Power
  - AUX connector (Yellow / White) for external power supply , or;
  - DC barrel socket
- Ethernet LAN RJ45 socket

### CE marking according to

- EMC directive 2014 / 30 / EU
- RoHS directive 2011 / 65 / EU
- EN 55014-1:2017
- EN 61000-4-2:2009
- EN 61000-4-3:2006 + A1:2008 + A2:2010
- EN 61000-4-4:2012
- EN 61000-4-5:2014
- EN 61000-4-6:2014

## Packaging specifications

EAN: 3830073770121

WEEE number: DE48929946

### Packaging dimensions:

- Product: 12.5 × 13 × 7 cm
- Transport: 13 × 13.5 × 7.5 cm

### Included in the box:

- 1Home Server KNX Bridge
- Welcome card
- Device label (serial No., default credentials, Matter pairing code)
- Power supply and network cable not included!